

## DEPARTMENT OF THE ARMY CHICAGO DISTRICT. CORPS OF ENGINEERS 219 SOUTH DEARBORN STREET CHICAGO. ILLINOIS 60604

NCCOD-P 4477305 22 March 1974

Mr. Donald A. Wallgren
Federal Activities Coordination Branch
Surveillance and Analysis Division
U. S. Environmental Protection Agency
One North Wacker Drive
Chicago, Illinois 60606

Dear Mr. Wallgren:

U. S. Steel Corporation, Pittsburgh, Pennsylvania, has submitted an application for a Department of the Army permit to conduct maintenance dredging at the Gary Works Plant, Gary, Indiana.

We will be issuing a public notice for the proposed work very shortly. To provide you with advance notice of the proposed dredging, inclosed are copies of the drawings and a bottom sediment analysis which we requested, of areas to be dredged.

Sincerely yours,

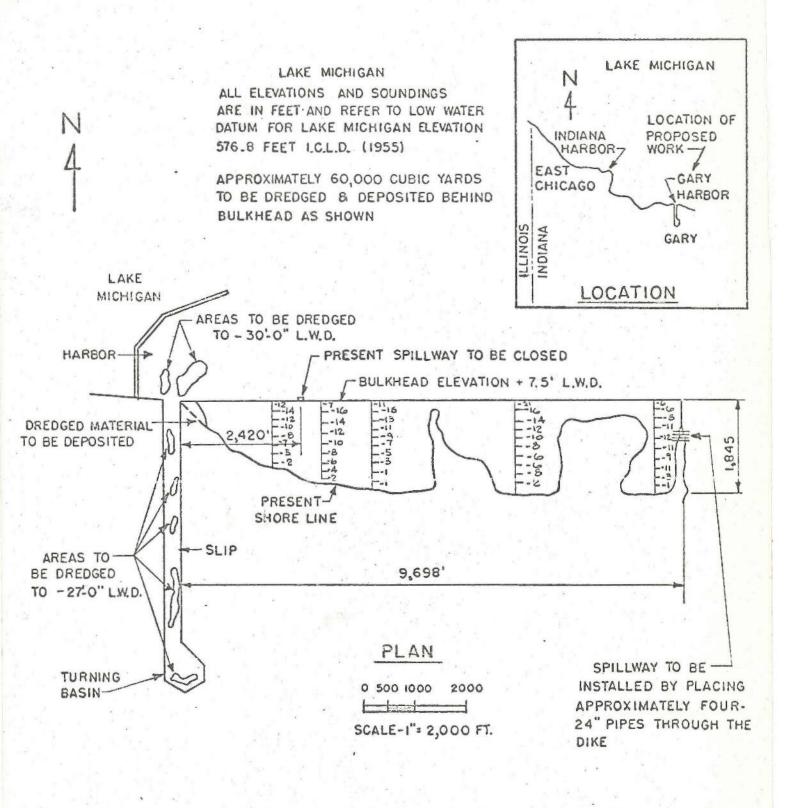
2 Incl

1. Drawings

2. Analysis

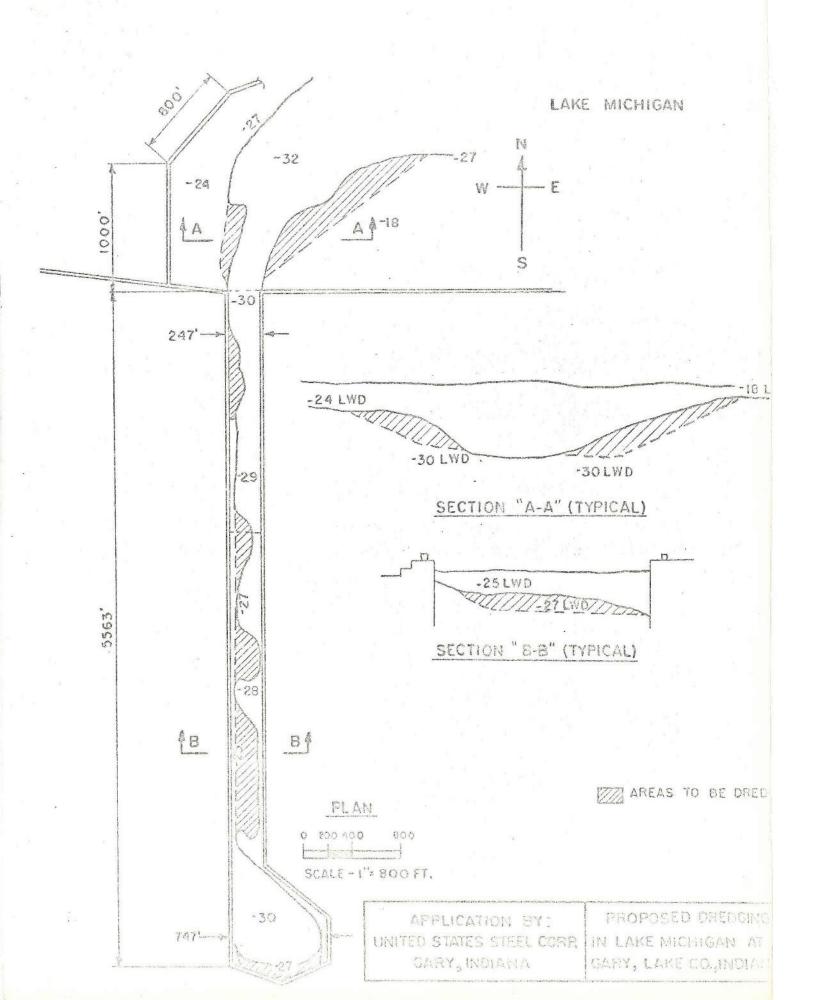
JAMES P. JONES

Chief, Operations Division



APPLICATION BY: UNITED STATES STEEL CORP GARY, INDIANA

PROPOSED DREDGING
IN LAKE MICHIGAN AT
GARY, LAKE CO., INDIANA



## UNITED STATES STEEL CORPORATION GARY WORKS WATER QUALITY CONTROL LABORATORY COKE AND CHEMICALS DIVISION

|        |     |      |        |         |       |    | COKE  | AND | CHEMICALS | D |
|--------|-----|------|--------|---------|-------|----|-------|-----|-----------|---|
| Hanham | and | Clin | Bottom | Samples | taken | by | Dames | and | Moore     |   |

| Identity of Sampling Point   |  | Sample #1  | #2   | #14  | #5   |  | #7   |  |
|--|--|--|--|--|--|--|--|--|
| Date Sample Obtained   |  | 2-12-74  | 2-12-74  | 2-13-74  | 2-13-74  | 2-13-74  | 2-13-74  | 100000000000000000000000000000000000000  |
| Date Sample Received at Lab  | oratory  |  | And and reaches the control of the reaches of the  | (Magdata, Lan 2004 etc.) in A.   |  | And the annual time of the time the second to the second   |  | THE REAL PROPERTY.   |
| Type of Sample   | - Anna  |  | A STATE OF THE PARTY OF THE PAR | -  |  |  |  | The state of the s |
| Frequency of Sampling  |  |  | The second secon | ALLES OLLOWS A STREET  |  |  |  | A. Principles Carlo Carlo  |
| Flow m.g.d.  |  |  | AND AND ADDRESS OF THE PARTY OF |  | any-material and analysis of the same  |  |  | -  |
| THE PROPERTY AND ADDRESS OF THE PROPERTY OF TH |  | 222 10 10 10 12 12 12 12 12 12 12 12 12 12 12 12 12  | AND  | TORMS, TORMSHADADADADA   |  | en agent   |  | Andrew Control   |
| ANALYSIS   | ANALYST  | *mgq   | *mqa   | ppm*   | ppm*   | *mag   | *mqa   | *maa   |
|  |  |  | 1  | a thank and all the Control of the C |  |  |  |  |
| Comperature, °C  | 1  |  |  |  |  |  |  | or the Pales and or the Control of the   |
| nH Value   |  |  |  | The state of the s |  |  | 12 No. 18 Advantage of the State of Contract of States of Contract of Contract of States of Contract o | and the factor regimes and agree as  |
| Biochemical Oxygen Demand  |  | and the second state of the second second second second second   |  | CONTRACTOR OF STREET   |  |  |  | THE PRODUCT OF THE PARTY OF THE |
| Chemical Oxygen Demand .   |  | 42.034   | 17,208   | 25,920   | 12,646   | 40,837   | 50,606   |  |
| Dissolved Oxygen   |  |  |  | -  | from remove weight   |  |  |  |
| Phenols, ppb   | and the state of t | 560  | 878  | 938  | 913  | 711  | 835  | a constitutive and a second species of the second  |
| Cvanides   |  | -  |  | er, earlier order and a constitution   |  |  |  | - non-limitational and assembly to the   |
| Oils and Greases   | 1500   | 780  | 510  | 1,277  | 287  | 990  | 310  |  |
| Suspended Solids   | 1  |  |  |  | -  |  |  | n. When the sufficient the standard with   |
| Dissolved Solids   | 2  |  | - manager  |  |  |  |  |  |
| Settleable Solids, ml/l  | an Estatolistic ora mon a Tompan   | A Participation of Committee Participation of Committee Committee of Committee Committ |  | The state of the s | former mer anne merinange  | The control to the control of the control of the control of  |  | nanana makan propositi   |
| Total Solids Wt. %   |  | 69.8   | 80.1   | 79.6   | 78.9   | 69.3   | 71.5   |  |
| Ammonis-N (HHa-N)  | 9  | 97.6   | 40.2   | 36.1   | 1 47.2   | 148.2  | 131.9  |  |
| Organic - N  |  |  |  |  |  |  |  | in the state of th |
| Sulfate (SO4)  | -  | - The state of the | Canada and a second of the   |  |  |  |  |  |
| Chloride (Cl )   | -1   | - mariana - a maria - mariana fin  | an ever season and a single  |  |  |  |  | Accompany despress was   |
| Conductivity umhos/cm@25°C   |  | 7.00   |  | 0.91   | 0.77   | 1.44   | 1.42   | -  |
| Iron (Total) Wt. %   |  | 3.26   | 2.05   | 0.91   |  | 1.44   | 1,42   |  |
| Color (True), units<br>Fecal Strep. n/100 ml   |  |  | and the same and the same for  | AND CONTRACT OF STREET   | famous manufactures in the first   | The same of the sa | 1  | -THE THE THE STATE OF  |
| Coliforns n/100 ml   | 1  |  |  |  | The residence of the second of | I manufactura and a second   |  | The second second second   |
| Volatile Solids Vt. %  | 1  | 3.6  | 3.3  | 0.9  | 0.9  | 3.1  | 2.8  | TOPPOST WAS AND ADDRESS.   |
| Phosphate  | -  | 1.09   | 0.82   | 2.07   | 2.93   | 0,96   | 1.16   |  |
| THE RELEASE OF THE PROPERTY OF | 1  |  |  | a second translation   | the same of the state of the same of the   | on an annual section of the comment   |  | normalite, or expension protection and the   |
| resource and the first transport improved improved by the resource of the first first decision and the second of the first transport in t | 1  |  | er auchafter a scharmann, meit jatte als auf Verpetterbreigeben gegeneren.<br>Be   | t turk minter und des für für für der State (der State  | i and the second of the second | 1  | The Bill of Business relation region error region region (2012) and the second of  | er of the Arthur State of the S |
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| Charles Control and Control and the Artist Control and |  |  | 1  | computation of the participation of the  | I  | 1  | The state of the s | and the parameters of  |





## INDIANAPOLIS 46206

1330 West Michigan Street 633-4420

October 9, 1973

STREAM POLLUTION CONTROL BOARD

Yr. H. J. Dunsmore
Director - Environmental Control
U. S. Steel Corporation
600 Grant Street
Pittsburgh, Pennsylvania 15230

Dear Mr. Dunsmore:

Re: Dredging, Slip end Harbor U. S. Steel, Gary, Indiana

We have examined your application for permission to dredge the slip and harbor at your Cary, Indiana works. The spoil material would approximate 60,000 cubic yards of sand and clay and would be deposited behind a bulkhead along the shore line of Lake Michigan, immediately to the east of the slip.

We have no objections to the dredging operation but must insist that the operations be conducted by hydraulic cutter head style dredge with the spoil material transported by pipeline to the proposed fill area. We will not permit use of clam shell buckets nor the use of dump bottom barges. Approval must also be obtained from the Department of Natural Resources. It is your responsibility to determine if an NFDES Permit is required for this discharge.

We also ask that a daily sample of the water returning through the spillway be sampled and an analysis be run for oil, free iron, and suspended solids, and filed monthly with our office.

Please submit the details of the dredging procedures to this office for clearance before dredging commences.

Very truly yours.

Cral H. Hert

Technical Secretary

and I Hent

RJCleaton/cab
cc: Department of Estural Resources
Corps of Engineers